



NIXON PEABODY LLP
101 Federal Street
Boston, Massachusetts 02110

Attorney's Docket N . 740789-054350

Page 1 of 5

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CONTROL OF ETCH AND DEPOSITION PROCESSES

which is described and claimed in:

- ☐ the specification attached hereto.
- ☒ the specification in U.S. Application Serial Number 10/644,274, filed on 08/20/2003;
- ☐ the specification in PCT International Application Number _____ filed on _____, as amended on _____;

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| Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119: | | | |
|--|-------------|---------|--|
| Application No. | Filing Date | Country | Priority Claimed under 35 U.S.C. §119? |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

| Prior U.S. Applications or PCT International Applications Designating the U.S. Benefit under 35 U.S.C. §120 | | | | | |
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| U.S. Applications | | | Status (Check One) | | |
| Application Serial No. | U.S. Filing Date | Patented | Pending | Abandoned | |
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| Application No. | Filing Date | U.S. Serial No. Assigned | | | |
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CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

| Applicant | Provisional Application Number | Filing Date |
|-----------|--------------------------------|-------------|
| | | |
| | | |
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| | | |
|--|---------------------------------------|--------------------------------------|
| Ronald I. Eisenstein (Reg. No. 30,628) | David S. Resnick (Reg. No. 34,235) | Michael L. Goldman (Reg. No. 30,727) |
| Nicole L.M. Valtz (Reg. No. 47,150) | Leena Karttunen (37 CFR Sec. 10.9(b)) | Georgia Evans (Reg. No. 44,957) |
| Gunnar G. Leinberg (Reg. No. 35,584) | Edwin V. Merkel (Reg. No. 40,087) | Joseph Noto (Reg. No. 32,163) |

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| SEND CORRESPONDENCE TO: David S. Resnick NIXON PEABODY LLP 101 Federal Street Boston, Massachusetts 02110 | DIRECT TELEPHONE CALLS TO: David S. Resnick (617) 345-6057 |
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|-------------|-------------------------|--|--|---|
| 2 0 1 | FULL NAME OF INVENTOR | LAST NAME BOGER | FIRST NAME MICHAEL | MIDDLE NAME STEPHEN <i>MB</i> |
| | RESIDENCE & CITIZENSHIP | CITY SAN JOSE <i>MB</i> Santa Clara | STATE OR FOREIGN COUNTRY CA | COUNTRY OF CITIZENSHIP US |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 4658 STRAWBERRY PARK DR 501 Forest Avenue | CITY SAN JOSE Santa Clara <i>MB</i> | STATE OR COUNTRY AND ZIP CODE 95129 <i>MB</i> CA 95001 |

| | | | | |
|-------------|-------------------------|---|--------------------------------|-------------------------------------|
| 2 0 2 | FULL NAME OF INVENTOR | LAST NAME HOLBROOK | FIRST NAME MARK | MIDDLE NAME |
| | RESIDENCE & CITIZENSHIP | CITY Ayrshire | STATE OR FOREIGN COUNTRY GB | COUNTRY OF CITIZENSHIP GB |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS Lintbrae Cottage by Stewarton, Kilmarnock | CITY Ayrshire KA3 5JT | STATE OR COUNTRY AND ZIP CODE GB |

| | | | | |
|-------------|-------------------------|---|--------------------------------|-------------------------------------|
| 2 0 3 | FULL NAME OF INVENTOR | LAST NAME HEASON | FIRST NAME DAVID | MIDDLE NAME |
| | RESIDENCE & CITIZENSHIP | CITY Glasgow | STATE OR FOREIGN COUNTRY GB | COUNTRY OF CITIZENSHIP GB |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS Flat 1/3, 24 Apsley Street, Partick | CITY Glasgow G11 7ST | STATE OR COUNTRY AND ZIP CODE GB |

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|-------------|-------------------------------|---|---------------------------------------|---|
| 2 0 4 | FULL NAME OF INVENTOR | LAST NAME L'HOSTIS | FIRST NAME FLORIAN | MIDDLE NAME |
| | RESIDENCE & CITIZENSHIP | CITY Otago | STATE OR FOREIGN COUNTRY NZ | COUNTRY OF CITIZENSHIP FR |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 25 Walkin Road, Wanaka | CITY Otago 9291 | STATE OR COUNTRY AND ZIP CODE NZ |

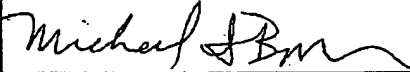
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|-------------|-------------------------------|---|---------------------------------------|---|
| 2 0 5 | FULL NAME OF INVENTOR | LAST NAME REEVE | FIRST NAME DAVID | MIDDLE NAME |
| | RESIDENCE & CITIZENSHIP | CITY Queensland | STATE OR FOREIGN COUNTRY AU | COUNTRY OF CITIZENSHIP AU |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 40 Burbong Street Chapel Hill | CITY Queensland 4069 | STATE OR COUNTRY AND ZIP CODE AU |

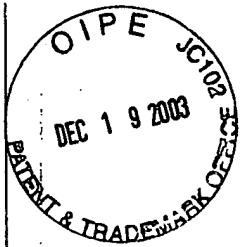
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| | |
|---|------------|
| Signature of Inventor 201 (Boger, M.) | Date: |
|  | 9 Dec 2003 |
| Signature of Inventor 202 (Holbrook, M.) | Date: |
| | |
| Signature of Inventor 203 (Heason, D.) | Date: |
| | |
| Signature of Inventor 204 (L'Hostis, F.) | Date: |
| | |
| Signature of Inventor 205 (Reeve, D.) | Date: |
| | |



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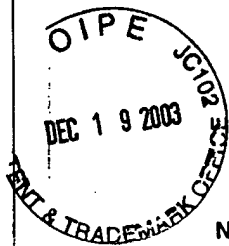
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| Signature of Inventor 201 (Boger, M.) | Date: |
| | |
| Signature of Inventor 202 (Holbrook, M.) | Date: |
| <i>M. B. Holbrook</i> | <i>13/Nov/03</i> |
| Signature of Inventor 203 (Heason, D.) | Date: |
| | |
| Signature of Inventor 204 (L'Hostis, F.) | Date: |
| | |
| Signature of Inventor 205 (Reeve, D.) | Date: |
| | |



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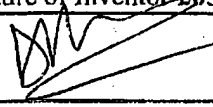
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| Signature of Inventor 201 (Boger, M.) | Date: |
| | |
| Signature of Inventor 202 (Holbrook, M.) | Date: |
| | |
| Signature of Inventor 203 (Heason, D.) | Date: |
|  | 10 th Nov. 2003 |
| Signature of Inventor 204 (L'Hostis, F.) | Date: |
| | |
| Signature of Inventor 205 (Rcevc, D.) | Date: |
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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| Ronald I. Eisenstein (Reg. No. 30,628) | David S. Resnick (Reg. No. 34,235) | Michael L. Goldman (Reg. No. 30,727) |
| Nicole L.M. Valtz (Reg. No. 47,150) | Leena Karttunen (37 CFR Sec. 10.9(b)) | Georgia Evans (Reg. No. 44,957) |
| Gunnar G. Leinberg (Reg. No. 35,584) | Edwin V. Merkel (Reg. No. 40,087) | Joseph Noto (Reg. No. 32,163) |

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Attorney's Docket No. 740789-054350

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|-------------|-------------------------|--|--|---|
| 2 0 1 | FULL NAME OF INVENTOR | LAST NAME BOGER | FIRST NAME MICHAEL | MIDDLE NAME STEPHEN <i>MB</i> |
| | RESIDENCE & CITIZENSHIP | CITY SAN JOSE <i>MB</i> Santa Clara | STATE OR FOREIGN COUNTRY CA | COUNTRY OF CITIZENSHIP US |
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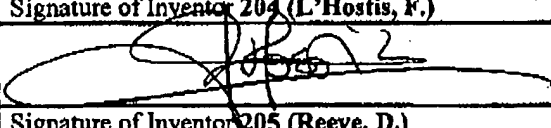
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| 2 0 2 | FULL NAME OF INVENTOR | LAST NAME HOLBROOK | FIRST NAME MARK | MIDDLE NAME |
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| | POST OFFICE ADDRESS | POST OFFICE ADDRESS Lintbrae Cottage by Stewarton, Kilmarnock | CITY Ayrshire KA3 5JT | STATE OR COUNTRY AND ZIP CODE GB |

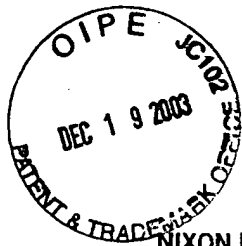
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|-------------|-------------------------|---|--------------------------------|-------------------------------------|
| 2 0 3 | FULL NAME OF INVENTOR | LAST NAME HEASON | FIRST NAME DAVID | MIDDLE NAME |
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| 2 0 4 | FULL NAME OF INVENTOR | LAST NAME L'HOSTIS | FIRST NAME FLORIAN | MIDDLE NAME |
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| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 25 Walkin Road, Wanaka | CITY Otago 9291 | STATE OR COUNTRY AND ZIP CODE NZ |

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|-------------|-------------------------------|---|-----------------------------------|---|
| 2 0 5 | FULL NAME OF INVENTOR | LAST NAME REEVE | FIRST NAME DAVID | MIDDLE NAME |
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I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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| Signature of Inventor 201 (Boger, M.) | Date: |
| | |
| Signature of Inventor 202 (Holbrook, M.) | Date: |
| | |
| Signature of Inventor 203 (Heason, D.) | Date: |
| | |
| Signature of Inventor 204 (L'Hostis, F.) | Date: |
|  | 11/12/2003 |
| Signature of Inventor 205 (Reeve, D.) | Date: |
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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CONTROL OF ETCH AND DEPOSITION PROCESSES

which is described and claimed in:

- ☐ the specification attached hereto.
- ☒ the specification in U.S. Application Serial Number 10/644,274, filed on 08/20/2003;
- ☐ the specification in PCT International Application Number _____ filed on _____, as amended on _____;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

| Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119: | | | |
|--|-------------|---------|--|
| Application No. | Filing Date | Country | Priority Claimed under 35 U.S.C. §119? |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

| Prior U.S. Applications or PCT International Applications Designating the U.S.-Benefit under 35 U.S.C. §120 | | | | | |
|--|------------------|-----------------------------|--------------------|-----------|--|
| U.S. Applications | | | Status (Check One) | | |
| Application Serial No. | U.S. Filing Date | Patented | Pending | Abandoned | |
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| PCT Applications Designating the U.S. | | | | | |
| Application No. | Filing Date | U.S. Serial No. Assigned | | | |
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**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))**

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

| Applicant | Provisional Application Number | Filing Date |
|-----------|--------------------------------|-------------|
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| | RESIDENCE & CITIZENSHIP | CITY Otago | STATE OR FOREIGN COUNTRY NZ | COUNTRY OF CITIZENSHIP FR |
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| | POST OFFICE ADDRESS | POST OFFICE ADDRESS 40 Burbong Street Chapel Hill | CITY Queensland 4069 | STATE OR COUNTRY AND ZIP CODE AU |

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|---|--------------------|
| Signature of Inventor 201 (Boger, M.) | Date: |
| | |
| Signature of Inventor 202 (Holbrook, M.) | Date: |
| | |
| Signature of Inventor 203 (Heason, D.) | Date: |
| | |
| Signature of Inventor 204 (L'Hostis, F.) | Date: |
| | |
| Signature of Inventor 205 (Reeve, D.) | Date: |
|  | 14th November 2003 |